Daily Diary Report by Bid Item

Contract No.: **04-0120F4**

Diary #: **810** **Const Calendar Day:** 296 **Date:** **27-Mar-2013** **Wednesday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Intermittent
Shift Hours: 07:00 am 05:30 pm **Break:** 00:30 **Over Time:** 02:00
Federal ID:
Location:
Reviewer: **Schmitt, Alex** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** 40 - 50 **12 PM** 50 - 60 **4PM** 50 - 60
Precipitation 0.00" **Condition** Overcast

Working Day ☐ If no, explain:

Diary:

Dispute ☐

Work description.

- Used the Modified Caltrans CT-1 Extensometer to measure the current elongation of bolts for cable bands 104N, 106N, 104S, and 106S. Measurements were taken by myself and John Lyons. These cable bands are being measured for Structures Maintenance & Investigations (SM&I) future monitoring of bolt tension on the bridge over time.

- Continued to prepare for final tensioning inspection of tower anchor rods at the foundation, per the request of Mohammed Awal. Received previous elongation values from Saman Soheilifard to verify that the required amount of force is maintained in the anchor rods.

- Surveyed the deformed area in Crossbeam 8 due to the Manitowoc ringer crane boom that struck the northeast corner during the temporary truss removal accident along the W-Line from bent D to G. Shot over 800+ points with the scanning feature of the Trimble S8 total station in addition to defining local stiffeners in the crossbeam, see photos below for more details. The total time of the survey was from 1:00pm to 2:50pm where the ambient condition outside of the crossbeam was 57F with an atmospheric pressure is 29.99"Hg under overcast skies.

Attachment

Leica reflective tape target used as a backsight for the total station, arbitrary coordinates were assumed. Notice the laser set on the target.

Location of the total station set over the longitudinal T stiffener centerline, the damage to Crossbeam 8 is to the right of the total station.